



**Project:** Alaska Copper Works

**Inspection Date:** 3/18/2020

**Project No.:** 19ACW1

**Technician:** David DuBois

**System Performance:**

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm)                      Influent 90                      Effluent 140                      The flows should be ~155 gpm

Bag Filter #1 Pressures (psi)                      Influent 14                      Effluent 12                      The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi)                      Influent 14                      Effluent 11

Carbon Filter Pressures (Lead)                      Influent 8                      Effluent 6                      The carbon filters should be

Carbon Filter Pressures (Lag)                      Influent 4                      Effluent 0                      backflushed if differential pressure > 8 psi

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

**Maintenance and Inspection Checklist:**

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No leaks
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Organized
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<2 gallons 10% Caustic 35 gallons 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified - ok



**Water Sampling:**

Were water samples taken? ☐ Yes ☒ No

Raw water: pH 6.77 Turbidity 5.39 NTU

Bag Filter Influent pH 7.96 Turbidity 10.7 NTU

Bag Filter Effluent pH 7.46 Turbidity 8.18 NTU

Carbon Filter Influent pH 7.30 Turbidity 2.99 NTU

Carbon Filter Effluent pH 7.16 Turbidity 2.92 NTU

**Monthly Tasks:**

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: \_\_\_\_\_

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

**Sludge Depth (inches):**

Decant Tank: \_\_\_\_\_

Treatment tank: \_\_\_\_\_

Backflush tank: \_\_\_\_\_

Main lift station: \_\_\_\_\_

North lift station: \_\_\_\_\_

South lift station: \_\_\_\_\_

**Additional Comments, Recommendations and System Upsets:**

4 unused filters remaining onsite.

David DuBois

Technician

Project Lead Technician

Title

3/18/2020

Date

**Submit**